

FIG. 1

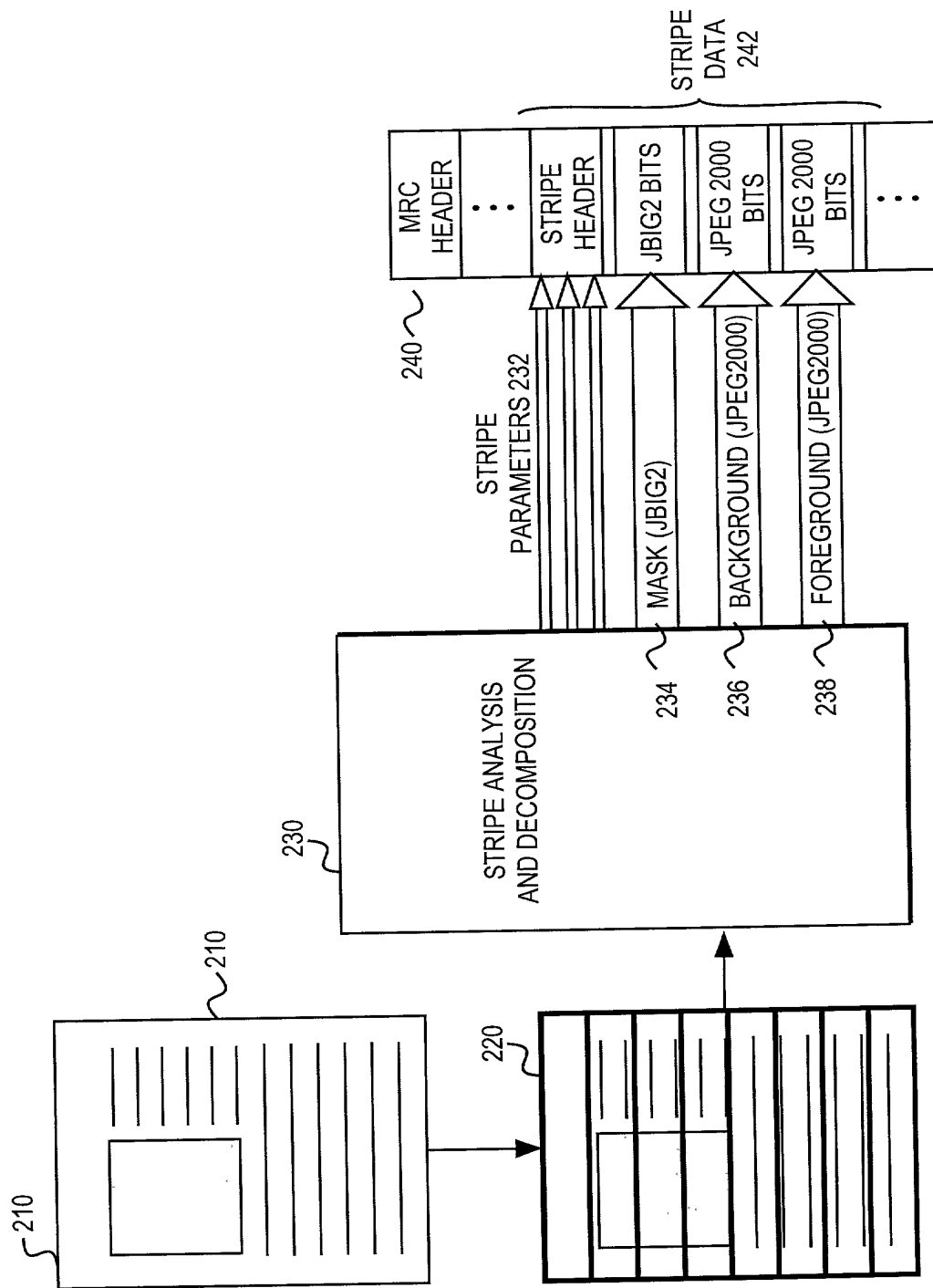


FIG. 2

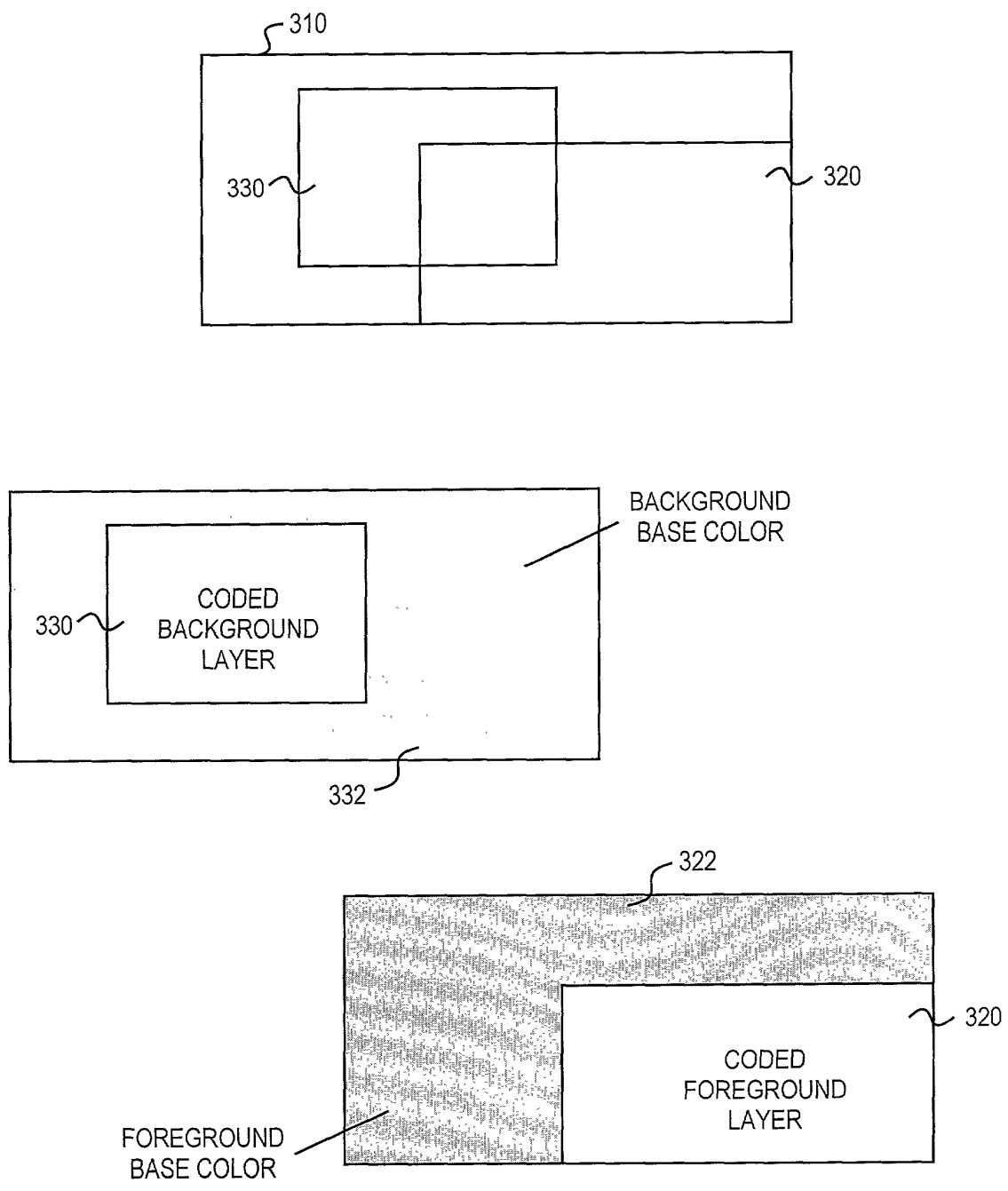


FIG. 3

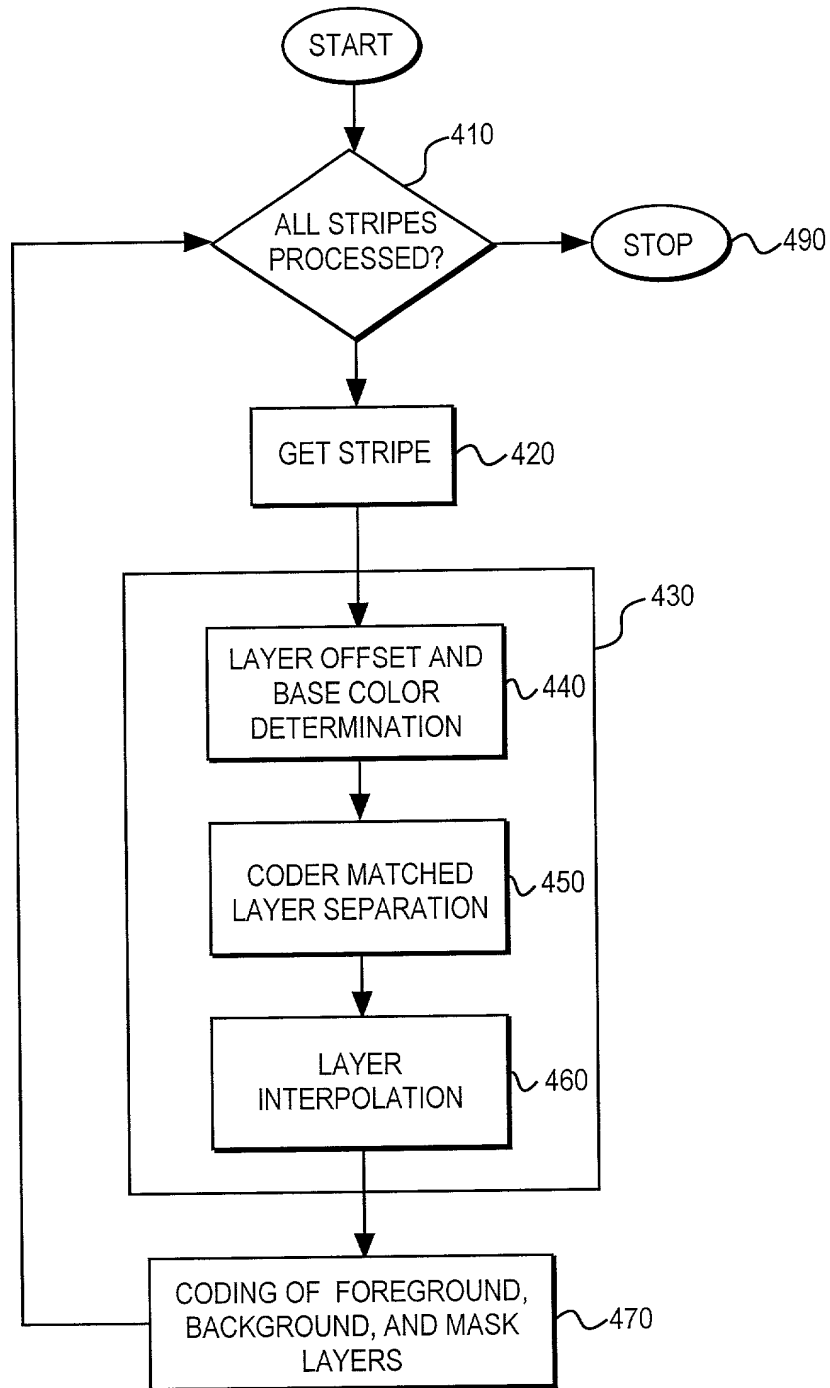


FIG. 4

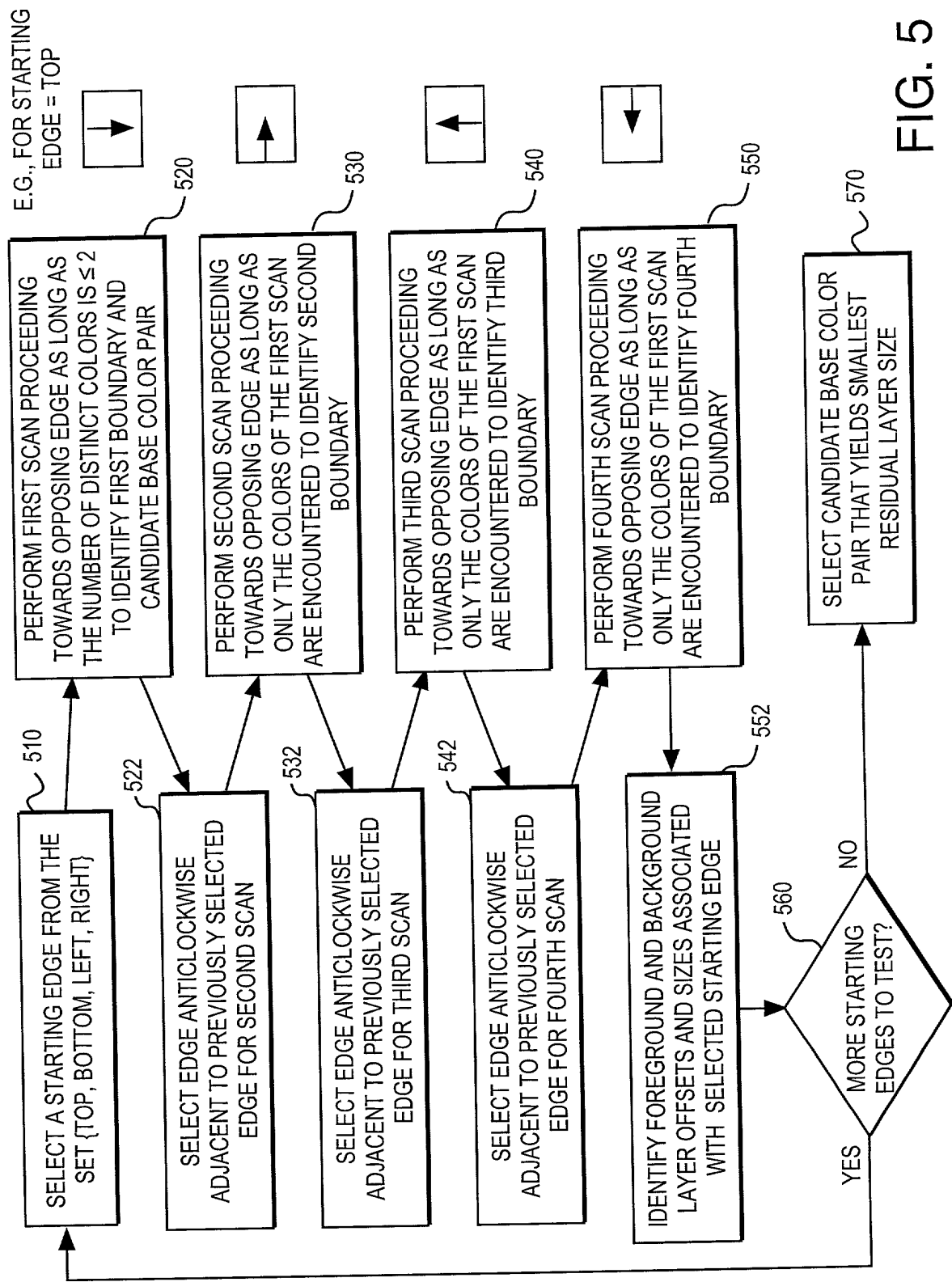


FIG. 5

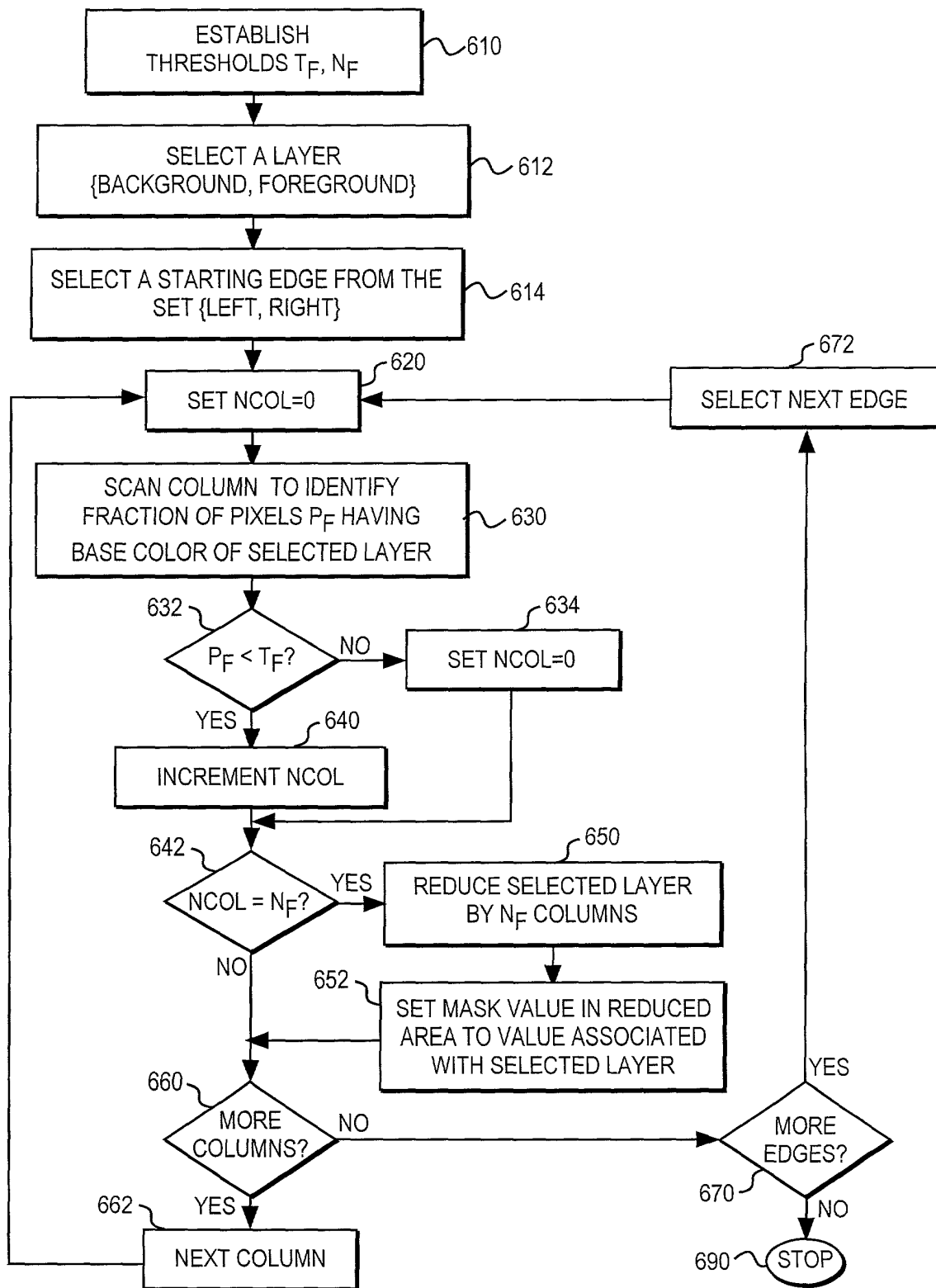


FIG. 6

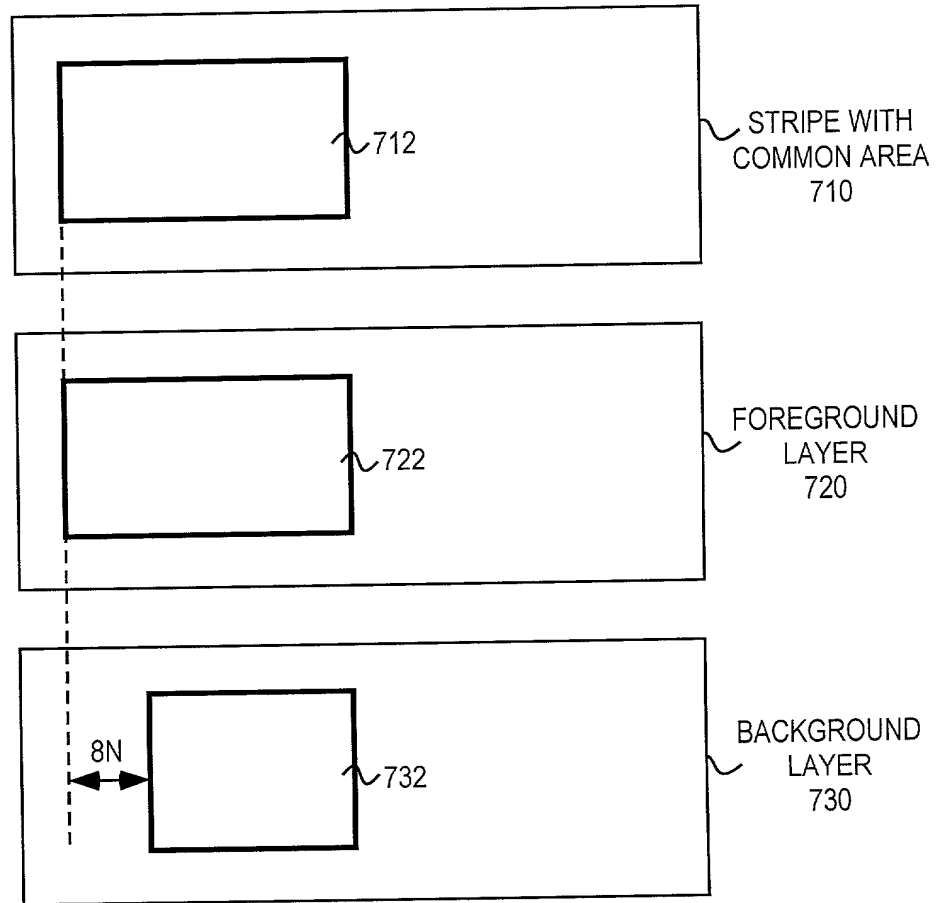


FIG. 7

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graph TD
    802[INITIALIZE  
PREV_AVG_FG &  
PREV_AVG_BG] --> 810[GET BLOCK]
    810 --> 812[CALCULATE RMAX]
    812 --> 814{RMAX > TMAX?}
    814 -- NO --> A((A))
    814 -- YES --> 820[SEPARATE PIXELS INTO TWO  
GROUPS USING 2-MEANS  
ALGORITHM]
    820 --> 830[COMPUTE AVERAGE FOR EACH  
PIXEL GROUP (AVG_1, AVG_2)]
    830 --> 832{LUM(AVG_1) > LUM(AVG_2)?}
    832 -- YES --> 840[ASSIGN GROUP_1 TO BACKGROUND,  
GROUP_2 TO FOREGROUND]
    832 -- NO --> 850[ASSIGN GROUP_1 TO FOREGROUND,  
GROUP_2 TO BACKGROUND]
    840 --> 842[PREV_AVG_BG=AVG_1  
PREV_AVG_FG=AVG_2]
    850 --> 852[PREV_AVG_BG=AVG_2  
PREV_AVG_FG=AVG_1]
    842 --> 860{MORE BLOCKS?}
    852 --> 860
    860 -- YES --> 810
    860 -- NO --> 890((STOP))
    A --> 860

```

FIG. 8

FIG. 8

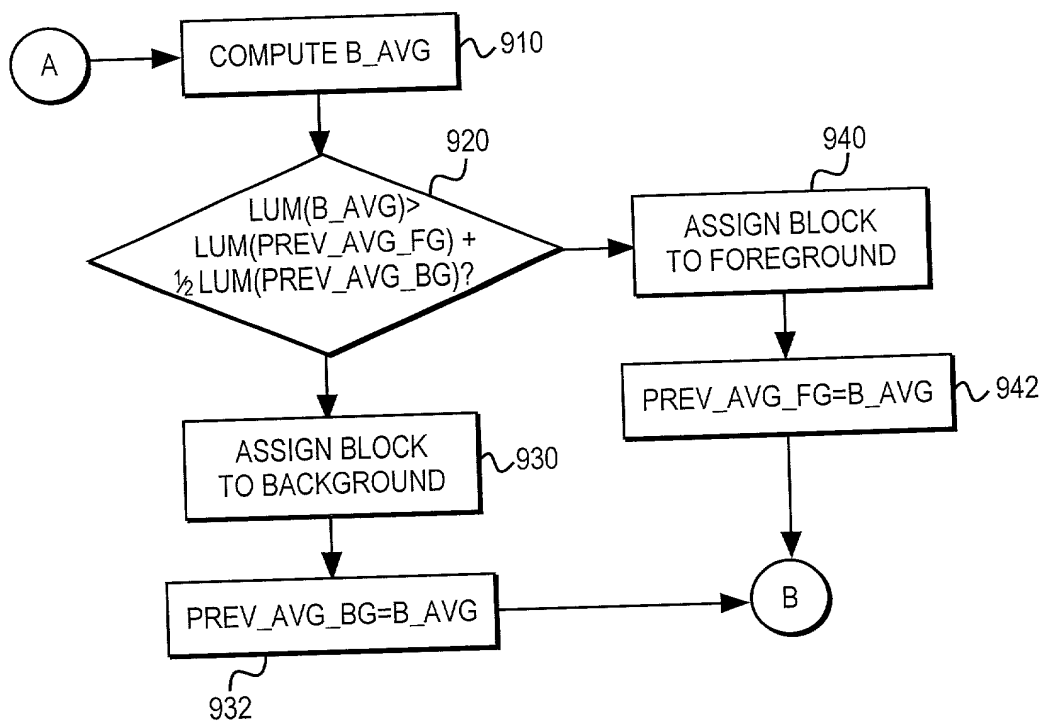


FIG. 9

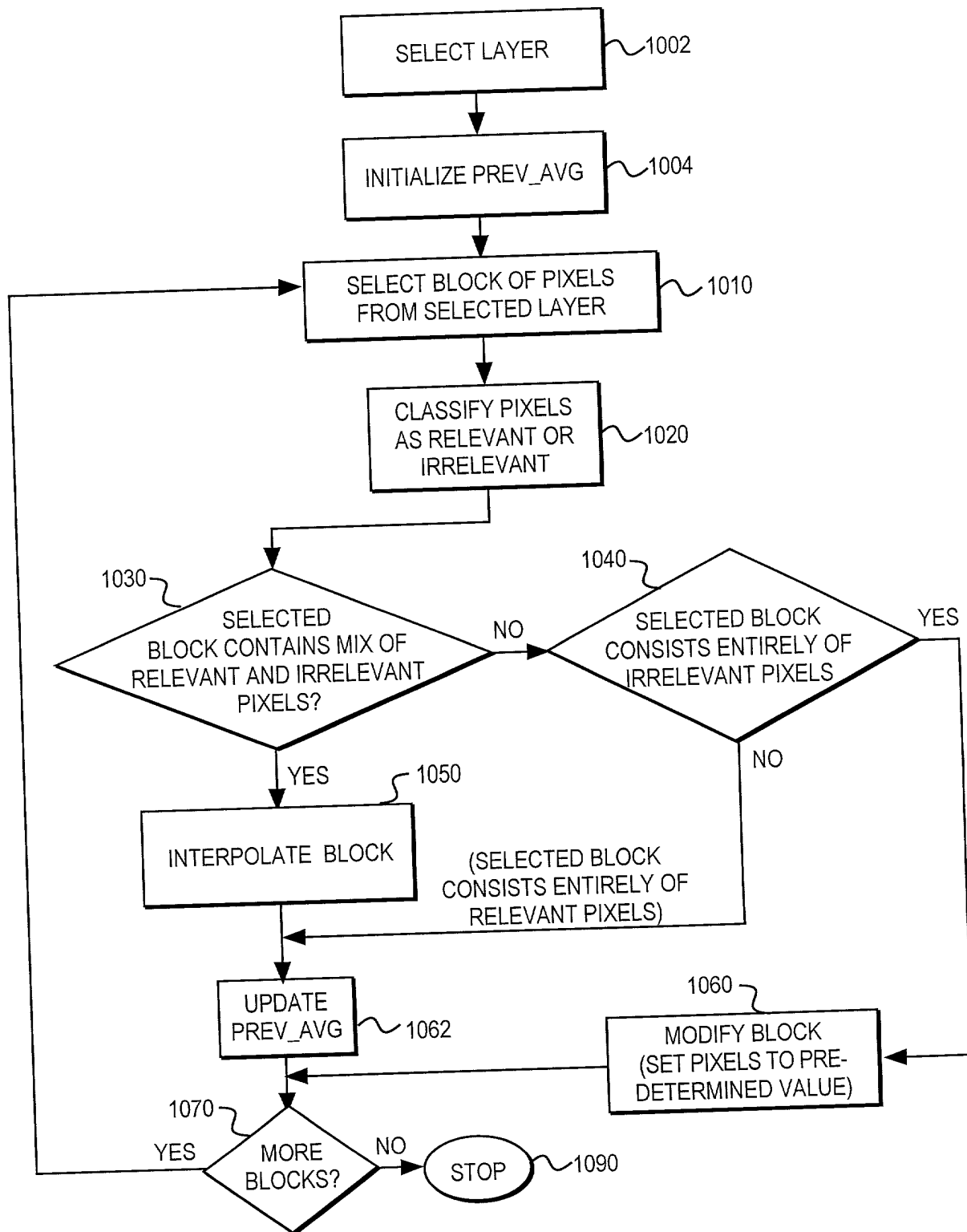


FIG. 10

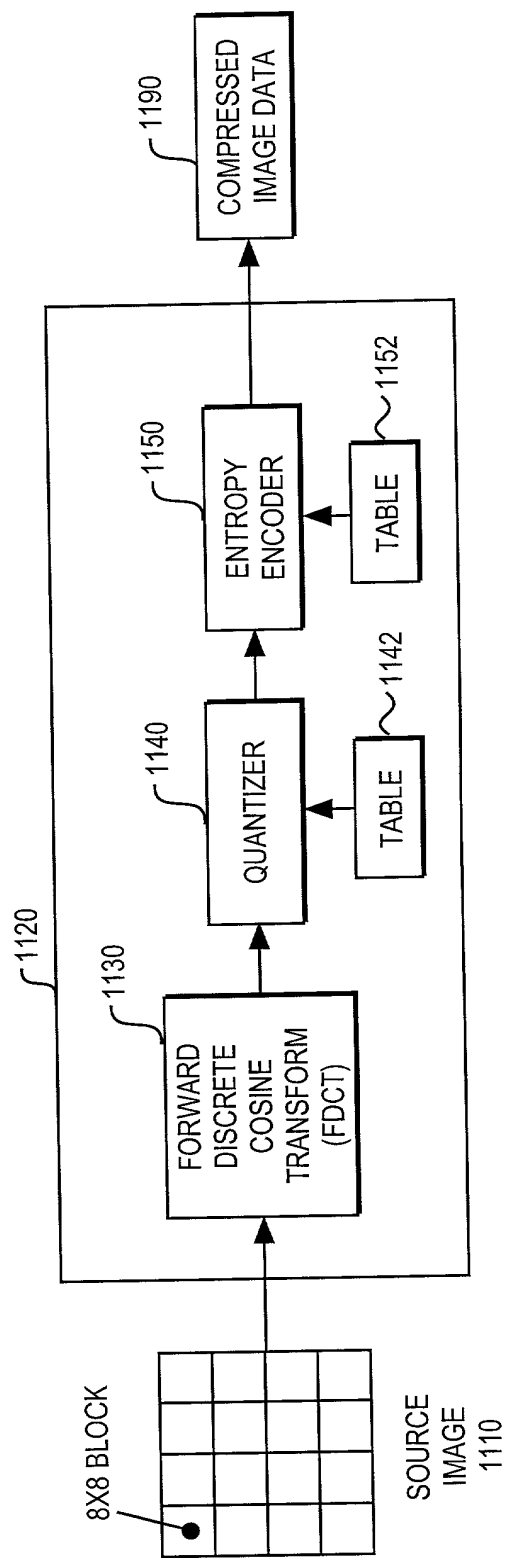


FIG. 11

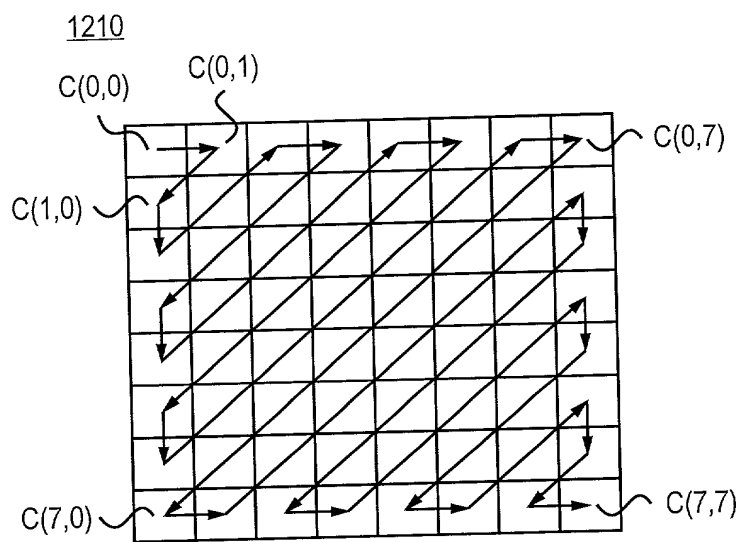


FIG. 12

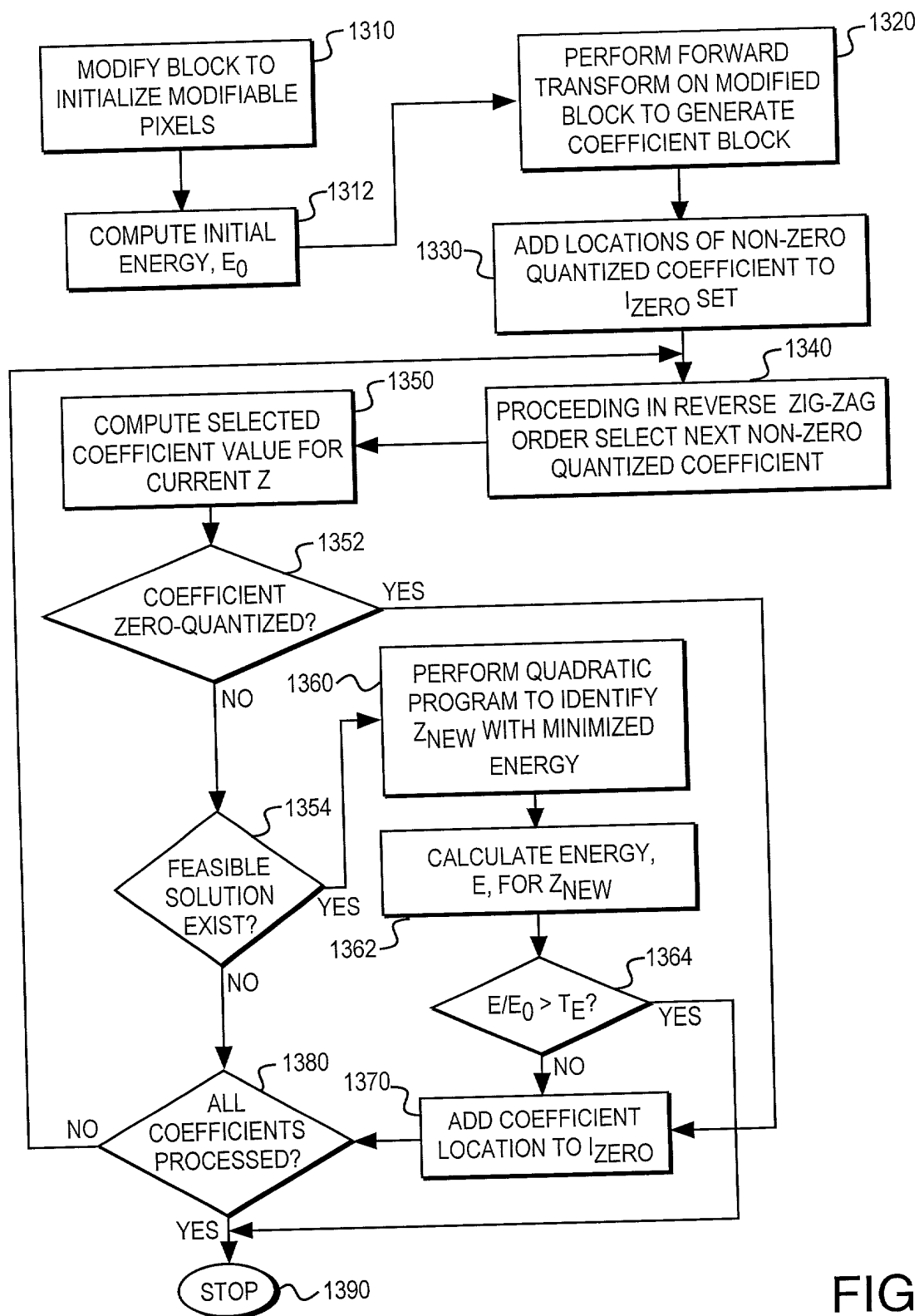


FIG. 13

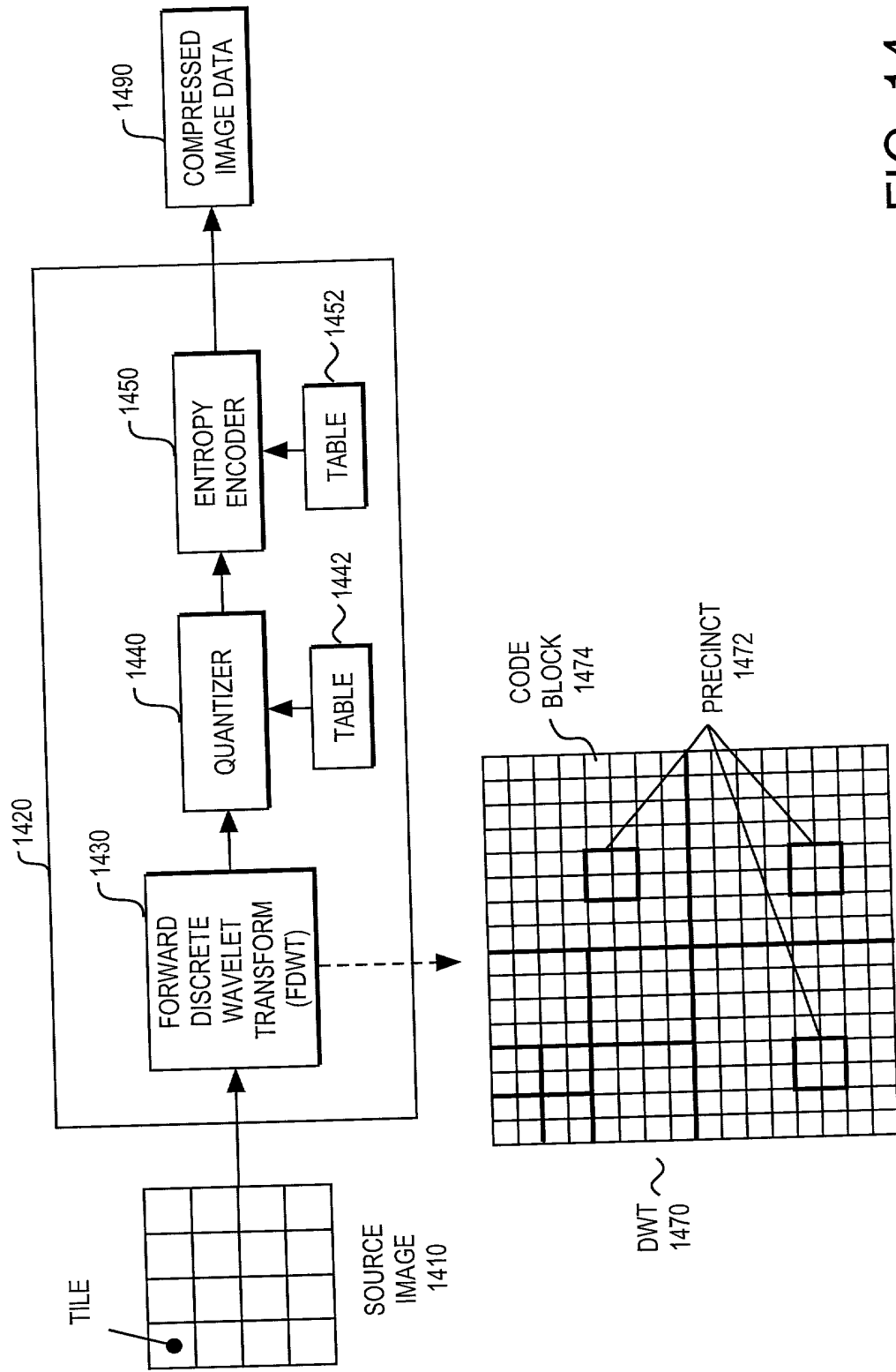


FIG. 14

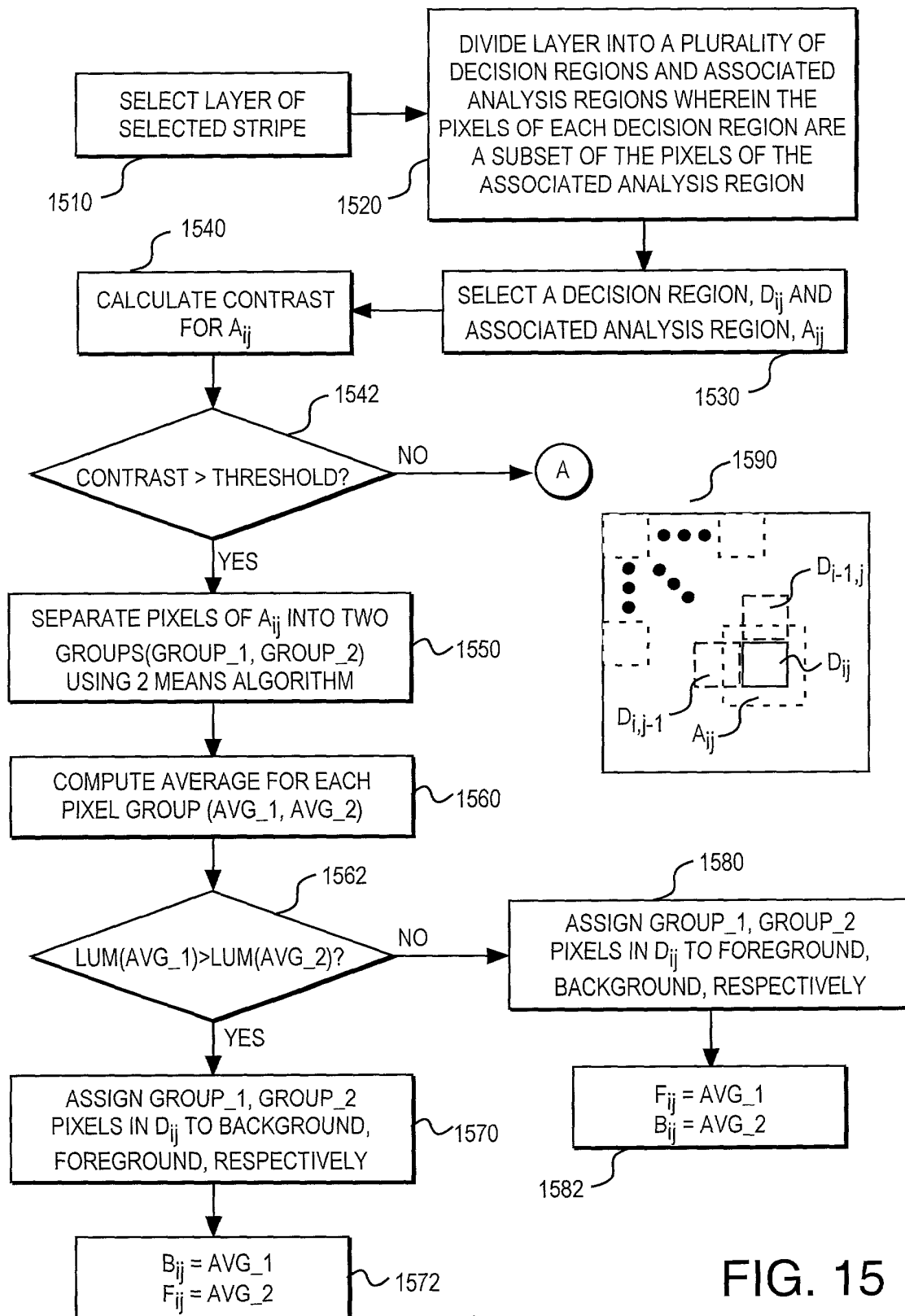


FIG. 15

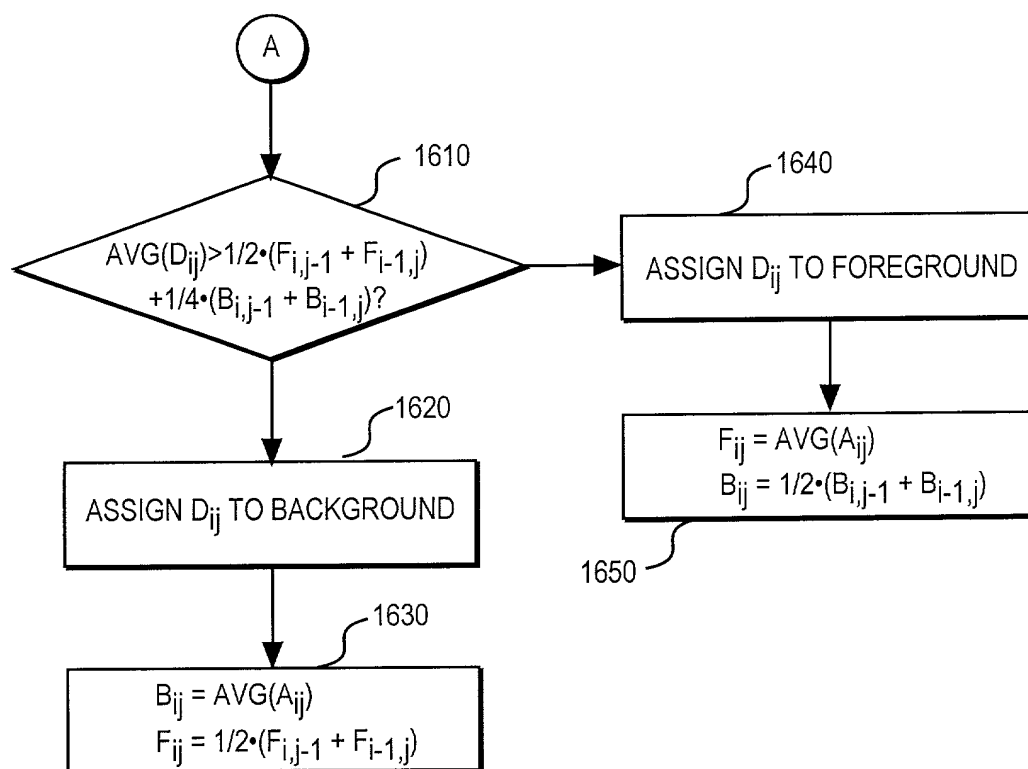


FIG. 16

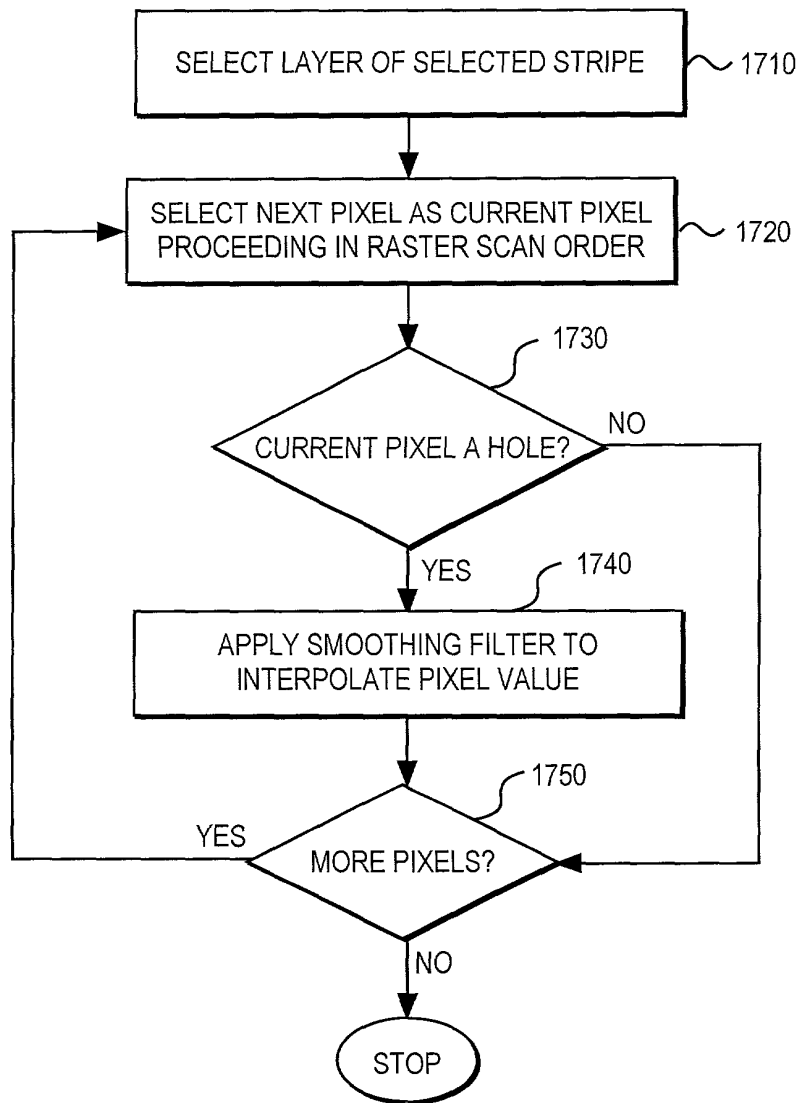


FIG. 17

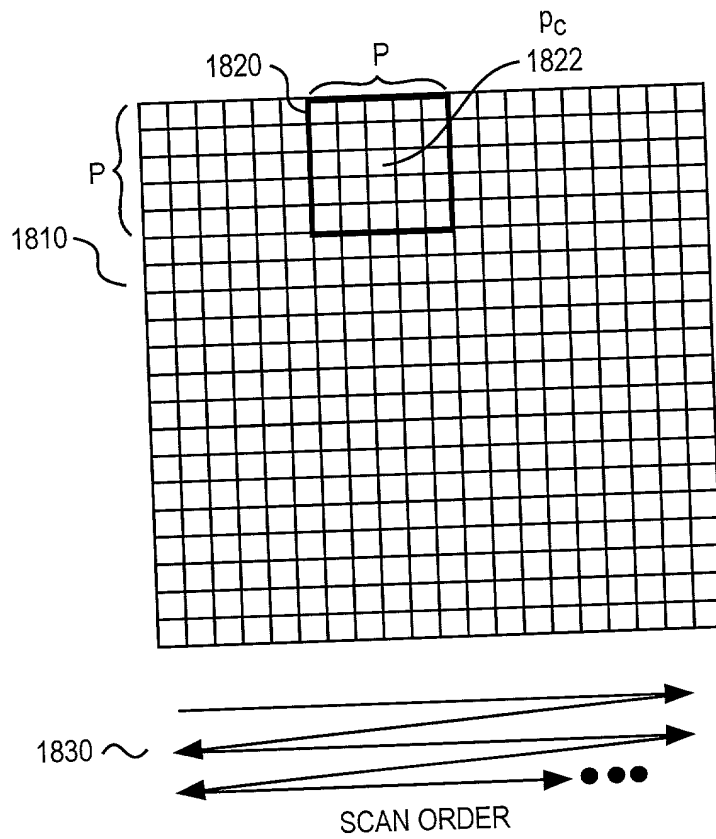


FIG. 18